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(54) Title: TITLE: TYRE DRUM WITH TURN-UP MECHANISM FOR BUILDING AN UNVULCANIZED TYRE

(57) Abstract: Tyre drum including a turn-up mechanism, the tyre drum being provided with a central shaft, two ring segments placed around the shaft and spaced apart for supporting the bead cores and the tyre drum on either side outside of the ring segments being provided with a set of axially extending arms, the arms at a first free end oriented towards the ring segment being provided with a first turn-up means, particularly a turn-up roller, and at an opposite second end being hinged to an axially shiftable arm support, near the first end at least a part of the arms being provided with means for supporting the tyre component, the support means in an initial position forming a circumferential support surface for the tyre components, the tyre drum further being provided with means for shifting the arm supports in order to move the second ends of both sets of arms axially towards each other, the arms being tiltable in radial planes from the initial position to a tilting position in order to thus move the first ends axially and radially while pressing the part of the tyre components situated outside of the ring segments against the expanded part of the tyre components situated within the ring segments, the support means comprising one or more support rollers provided with a support surface for the tyre component, which support roller is rotatably arranged on the arm.

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